

**AMENDMENTS TO THE SPECIFICATION**

Prior to paragraph [0001] of the specification, please change the application title to read as follows, be deleting “-PATENT APPLICATION”:

**AXISYMMETRIC EMITTANCE-COMPENSATED ELECTRON GUN**

Please amend paragraph [0013] as shown below:

[0013] Cathode 110, with longitudinal axis 117, may be a photocathode, thermionic cathode, or field emission cathode, or any other device that can emit electrons. The material of cathode 110 may be selected based on a wide variety of desired properties, including efficiency, durability, ease of replacement, or other suitable consideration. Cavity 102 is axisymmetric around longitudinal axis 117.